

ABSTRACT

After a reducing gas is mixed with an inert gas by a mixer, a resultant mixed gas is heated by a heater and made to a hot mixed gas which is dehumidified and dried and the temperature of which is increased. The mixed gas is injected to a subject from an injection port formed in a soldering iron, and thereby soldering is performed by heating and melting solder with the soldering iron in the atmosphere of the mixed gas.